

What is claimed is:

1. A cationic coating composition containing (A) an unsaturated group-modified cationic epoxy resin, (B) a blocked polyisocyanate crosslinking agent, and (C) a photopolymerization initiator.
2. A cationic coating composition as claimed in claim 1, wherein the unsaturated group-modified cationic epoxy resin (A) is obtained by reacting an epoxy resin (a) having an epoxy equivalent of 180 to 2500 with an unsaturated group-containing compound (b) and a cationic group-containing compound (c).
3. A cationic coating composition as claimed in claim 1, wherein the unsaturated group-modified cationic epoxy resin (A) has an unsaturated group equivalent of 6000 or less.
4. A cationic coating composition as claimed in claim 1, wherein the epoxy resin (a) in the unsaturated group-modified cationic epoxy resin (A) is obtained by reacting a polyphenol compound and an epihalohydrin.
5. A cationic coating composition as claimed in claim 1, wherein the cationic coating composition further contains a polymerizable unsaturated group-containing compound (D).
6. A mono-layer coating film-forming method, which

comprises subjecting a cationic electrodeposition coating composition as the cationic coating composition as claimed in any one of claims 1 to 5 to an electrodeposition coating to form an electrodeposition coating film, followed by subjecting the electrodeposition coating film to both irradiation and heating to form a cured mono-layer coating film.

7. A multi-layer coating film-forming method which comprises the following successive steps (1) to (4):
a step (1) of coating the cationic coating composition as claimed in any one of claims 1 to 5 onto a coating substrate to form a cationic coating film,
a step (2) of subjecting the cationic coating film formed in the step (1) to irradiation,
a step (3) of coating an intercoat coating composition and/or a topcoat coating composition to form an intercoat coating film and/or a topcoat coating film, and
a step (4) of simultaneously heating and curing the cationic coating film, and the intercoat coating film and/or the topcoating film.

8. A multi-layer coating film-forming method as claimed in claim 7, wherein the cationic coating film formed by the step (1) in claim 7 is preheated at a temperature of 60 to 120°C.

9. A multi-layer coating film-forming method as claimed in

claim 7, wherein the cationic coating composition is a cationic electrodeposition coating composition.

10. A coated product obtained by any one of the methods as claimed in claims 6 to 9.